

Message Text

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PAGE 01 EC BRU 02753 271805Z

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ACTION OES-05

INFO OCT-01 EUR-12 ISO-00 IO-10 FEA-01 ACDA-10 CIAE-00

INR-07 L-02 NSAE-00 NSC-05 EB-07 NRC-07 /067 W

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R 271636Z MAR 75

FM USMISSION EC BRUSSELS

TO ERDA GERMANTOWN

NRC WASHINGTON

INFO SECSTATE WASHDC 8562

UNCLAS BRUSSELS 02753

ERDA PASS TO A.S. FRIEDMAN, DIP; G. W. CUNNINGHAM, RRD; T.

A. NEMZEK, RRD; AND S E. MILLER, RRD

NRC PASS TO H.H. BROWN; H. C. KOUTS; R.P. DENISE

E.O. 11652: N/A

TAGS: TECH

SUBJECT: PFR STATUS

1. FOLLOWING INFORMATION OBTAINED DURING VISIT BY S. ROSEN TO
RISLEY MARCH 18, 1975.

2. MULTIPLE TUBE LEAKS HAVE NOW BEEN FOUND IN EACH OF THE TWO
FAULTY PFR SUPERHEATERS. THERE ARE THREE FAILED TUBES IN EACH
UNIT, IN A TRIANGULAR CONFIGURATION. IN BOTH CASES, ONLY TWO
OF THE FAILED TUBES WERE WELDED ON THE SAME WELDING PASS. THIS
HAS LED TO CONJECTURE THAT
A LAMINATION MAY EXIST IN THE TUBE PLATE ITSELF.

3. BECAUSE OF THESE LEAKS AND THE EVAPORATOR LEAK PREVIOUSLY
DESCRIBED IN EC CABLE 01812 DATED MARCH 3, 1975, THE PFR IS
LIMITED TO OPERATION WITH ONLY ONE OF THREE SODIUM CIRCUITS.
PRESENT PLANS CALL FOR PLUGGING THE SINGLE FAILED TUBE IN THE
EVAPORATOR UNIT AND AS MANY AS NINE
TUBES IN ONE OF THE SUPERHEATERS (TO ISOLATE THE FAILED AREA).
THIS WOULD PLACE AN ADDITIONAL SODIUM CIRCUIT INTO OPERATION
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BY PERHAPS MID-APRIL.

4. THE SECOND FAULTY SUPERHEATER WILL BE EXAMINED THOROUGHLY BY CUTTING OUT THE DEFECTED AREA. IT WILL TAKE SEVERAL MONTHS TO BRING THIS UNIT ON-LINE AND THUS FULL POWER OPERATION OF THE PFR WILL BE DELAYED AT LEAST UNTIL THE SUMMER.

5. OVERHEATING OF TURBINE GENERATOR BEARINGS HAS ALSO BEEN A RECURRING PROBLEM. THE FAULTY BEARINGS HAVE RECENTLY BEEN REPLACED. THE NUCLEAR PORTION OF THE POWER PLANT IS OPERATING SATISFACTORILY.
GREENWALD

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NNN

Message Attributes

Automatic Decaptioning: X
Capture Date: 01 JAN 1994
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
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Decaption Note:
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Disposition Approved on Date:
Disposition Authority: n/a
Disposition Case Number: n/a
Disposition Comment:
Disposition Date: 01 JAN 1960
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
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Margaret P. Grafeld
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